Department of Energy

Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246
(513) 648-3155

FEB 2 5 2005

DOE-0174-05

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 E. 5th St.
Dayton, OH 45402-2911

Dear Mr. Saric and Mr. Schneider:

TRANSMITTAL OF RESPONSES TO OEPA COMMENTS ON THE INTEGRATED ENVIRONMENTAL MONITORING PLAN MID-YEAR DATA SUMMARY FOR 2004

Reference: Letter, J. Saric to J. Reising, "IEMP Mid-Year 2004," dated February 15, 2005

This letter transmits the subject document to the U.S. Environmental Protection Agency (EPA) and Ohio Environmental Protection Agency. USEPA identified that the Integrated Environmental Monitoring Plan (IEMP) Mid-Year Data Summary Report for 2004 was adequate (reference) and had no comments.

If you have any questions or need further information, please contact Johnny Reising at (513) 648-3139 or Ed Skintik at (513) 246-1369.

Sincerely,

Johnny Reising

for William J. Taylor
Director

Enclosure: As Stated

cc w/enclosure:
J. Reising, OH/FCP
F. Bell, ATSDR
G. Jablonowski, USEPA-V, SR-6J
M. Murphy, USEPA-V, AE-17J
T. Schneider, OEPA-Dayton (3 copies of enclosure)
M. Shupe, HSI GeoTrans
R. Vandegrift, ODOH
M. Cullerton, TetraTech
AR Coordinator, Fluor Fernald, MS78

cc w/o enclosure:
K. Alkema, Fluor Fernald, Inc., MS 1
J.D. Chiou, Fluor Fernald, Inc., MS64
W. Hertel, Fluor Fernald, Inc., MS52-5
F. Johnston, Fluor Fernald, Inc., MS52-5
C. Tabor, Fluor Fernald, Inc., MS12
ECDC, Fluor Fernald, Inc./MS52-7

OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENTS ON THE INTEGRATED ENVIRONMENTAL MONITORING PLAN MID-YEAR DATA SUMMARY FOR 2004

FERNALD CLOSURE PROJECT
FERNALD, OHIO

FEBRUARY 2005

U.S. DEPARTMENT OF ENERGY

OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENTS ON THE INTEGRATED ENVIRONMENTAL MONITORING PLAN MID-YEAR DATA SUMMARY FOR 2004 (51350-RP-0025, REVISION 0, FINAL)

COMMENTS:

1. Commenting Organization: Ohio EPA Commenter: GeoTrans, Inc.
Section #: Attachment 2.0 Pg #: 2-3 Line #: 29 Code: C
Original Comment #: 1

Comment: The unfiltered Cr VI results of 82.5 and 93.7 µg/L at Monitoring Well 22303 may be significant because the sample turbidity is relatively low. The low turbidity diminishes the possibility that observed concentrations are the result of aquifer grains mobilized through the sampling process and suggests the potential for colloidal transport of Cr VI. How was the filtered sample collected? Was a downhole pump used? Was the filtering conducted in-line? If apparently real, what geochemical explanation does DOE have for the discrepancy between the filtered and unfiltered Cr VI concentrations at 22303?

Response: A typo exists in the following sentence: "Nothing was detected in either the filtered sample or the filtered duplicate sample, but the unfiltered sample and the unfiltered duplicate sample (**turbidity <5 NTU**) had a concentration of 82.5 ug/L and 93.7 ug/L, respectively." Instead of (turbidity <5 NTU), the text should have been (turbidity >5 NTU). Monitoring Well 22303 was purged with a bailer and then filtered in the field using a peristaltic pump. The turbidity of the unfiltered samples was 94 NTUs. The turbidity was reduced to 20 NTUs using a 5-micron filter, and further reduced down to 2 NTUs using a 0.45-micron filter.

Action: This information will be correctly provided in the 2004 Site Environmental Report.